59,94 cm/24” Full HD LCD TV

User Manual

Thank you very much for your purchase of this product.
To enjoy your TV set to the full from the beginning, read this manual carefully and keep it handy for further reference.

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INSTALLATION

- Do not place the device in the room so that the light shine directly on the screen. Viewing in total darkness or watching the highlights on the screen can cause eyestrain. It is advised to use weak, indirect light for a pleasant watching TV.
- Make sure that the device does not adhere to the wall to ensure adequate heat dissipation.
- Insufficient heat dissipation can damage the device.
- Do not place near other heat sources (eg radiators).
- Make sure the ventilation holes are not obstructed during the operation.
- TV is powered by mains voltage. Acceptable voltage can be found on a label on the back of the TV.

COMMENTS

- Never attempt to insert any objects inside the unit!
- The LCD panel is made of glass, so it can be physically destroyed.
- In case of damage to the panel, please note the risk of injury to the glass panel.
- Before cleaning, always unplug the TV power cord.
- For cleaning, to avoid scratching the screen, use only a soft cloth.
- Cleaning liquids could damage the device.
- During the storm, unplug both the power cord and antenna cable to avoid the risk of damage to the unit after being hit by lightning.
- All TVs work under high voltage. For this reason, all repairs and other operations carried out on open device must be performed by qualified service personnel.

ELECTRICAL SAFETY

- The TV set should only be connected to a mains supply which matches that stated onthe label on the mains adaptor
- To prevent overload, don't share the same mains supply socket with too many otheritems of equipment.
- Do not place any connecting wires where they may b e stepped on or tripped over.

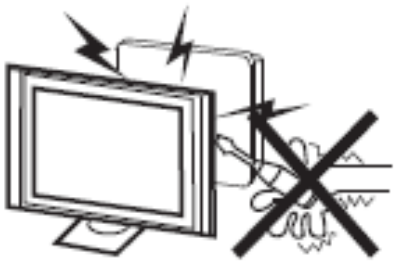
- Do not place heavy items, which may damage the lea ds, on them.
- Hold the Mains plug, not the wires, when removing from a socket.
- During a thunderstorm or while leaving the TV for long periods, disconnect the aerial (if outdoor) and mains adaptor from the supply.
- Do not allow water or moisture to enter the TV or mains adaptor. Do NOT use in wet or moist areas such as Bathrooms, steamy kitchens or near swimming pools.
- Pull the plug out immediately, and seek profession al help if:
  - the mains plug or cable is damaged
  - liquid is spilt onto the set, or if it is accidentally exposed to water or moisture
  - anything accidentally penetrates the ventilation slots
  - the set doesn't work normally.
- Do NOT remove the safety covers. There are no user serviceable parts inside You may invalidate the warranty. Qualified personnel must only service this apparatus.
- To avoid battery leakage, remove exhausted batteri es from the remote controlhandset, or when not using for a long period.
- Do NOT break open or throw exhausted batteries on a fire.
- Do NOT block ventilation slots in the back cover. You may place the TV in a cabinet,but ensure at least 5cm (2") clearance all around.
- Do NOT tap or shake the TV screen, you may damage the internal circuits. Takegood care of the remote control, do not drop.

PHYSICAL SAFETY

- To avoid leakage, remove batteries from theremote control when they are exhausted orwhen not in use for a long period.
- Do not break open the batteries or dispose of them in a fire.
- Do not block the ventilation slots in the back cover. You may place the TV in a cabinet, but ensure at least 5cm (2”) of clearance allround.
- Do not tap or shake the TV screen.
- Do not drop the remote control.
- To clean, use a soft dry cloth. Do not use solvents or petrol based fluids. For stubborn stains, use a damp cloth with dilute detergent.

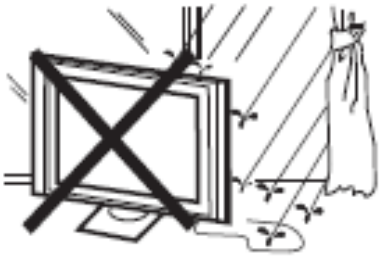
CAUTION!
RISK OF ELECTRIC SHOCK!
DO NOT OPEN!
WARNING
IN ORDER TO PREVENT FROM ELECTRIC SHOCK, DO NOT OPEN THE DEVICE. THERE ARE NO SPARE PARTS INSIDE THE DEVICE. IN CASE OF TROUBLE, CALL QUALIFIED SERVICE PERSONELL.

	The lightening flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of un-insulated “dangerous voltage” within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the persons.
	The exclamation point within an equilateral triangle is intend to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
	Produced after 13 August 2005. Waste electrical should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.
	Batteries should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.
CE	This product complies with European safety and electrical interference directives.



WARNING

TV works under high voltage. Do not remove the casing. Service repairs can be performed only by qualified service personnel.



WARNING

To reduce the risk of fire or electric shock do not use the unit in humid or exposed to water.

WARNING

The device may not fall, do not also insert any objects through ventilation holes. Do not let the ever spill liquid on the television.

WARNING

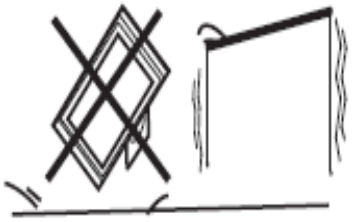
Ventilation is necessary in order to allow proper functioning of the device.

WARNING

Do not place the TV on the power cord.

⚠ CAUTION

When mounting the TV to provide a minimum distance to the device. Lack of adequate ventilation causes the shortening of life of the TV and it is dangerous.
Do not put anything on the TV or try to hit. Should be paid special attention when children are present in the vicinity. Not following these rules may lead to the downfall of the TV.



⚠ CAUTION

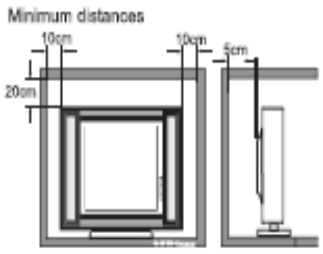
Do not place the TV on an unstable surface, box, cabinet or shelf. TV can be damaged if it is overturned.

⚠ CAUTION

When TV is not used for a long time, it is recommended to unplug the power cord from the outlet.

⚠ CAUTION

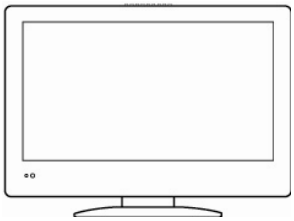
TV should not be exposed to direct sunlight and should not be in the immediate vicinity of other heat sources. TV should not be in close proximity to other heat generating devices, such as video or audio amplifier. Do not use it near open flame.



⚠ CAUTION

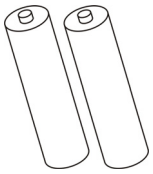
When mounting the TV to provide a minimum distance to the device. Lack of adequate ventilation causes the shortening of life of the TV and it is dangerous.

In the Box



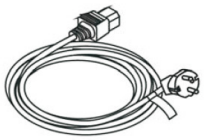
TV-Set

Remote Controller



Batteries

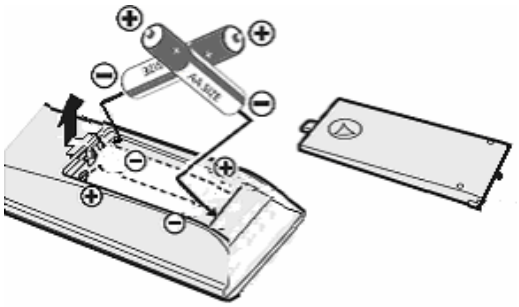
User Manual



Power Cable

Insert the batteries

1. Remove the battery cover.
2. Insert the two 1,5V (AAA size) batteries making sure the polarity (+ or -) of the batteries matches the polarity marks inside the unit.
3. Replace the battery cover until you hear a click sound.



Precautions when using batteries

- Do not use old and new batteries together.
- Do not use different types of batteries (for example, Manganese and Alkaline batteries) together.
- Note that there are chargeable and non-chargeable batteries.
- Remove the batteries from the remote control unit if you do not intend to use the TV for a long time.

Precautions when using the remote control unit

- Do not drop the remote control unit.
- Do not subject the remote control unit to physical shocks.
- Keep the remote control unit dry. Wetting it may cause the unit to malfunction.
- Replace the batteries with new ones when operation of the unit deteriorates.

Front View

Turning TV on

- Place the TV set in an appropriate place and connect the power cable to the power socket. Turn the power switch at the back of the TV set in the “1” position. After few seconds the device will be in a Standby Mode.
- Press POWER button to turn the TV Set on and after a short while you will see the picture.

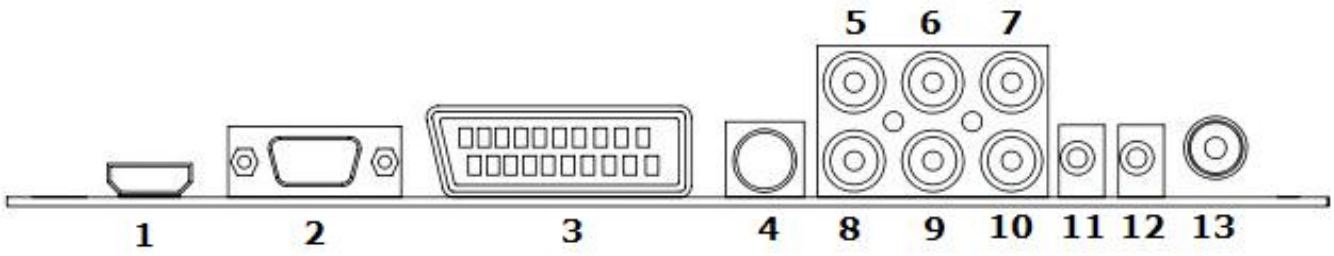
Turning TV off.

- Press POWER button. The screen will fade.
- Turn the power switch at the back of the TV set in the “0” position

WARNING:
If you keep projected one picture on display for over 2 hours time, it would be possible to see burn-in effect on the panel. The same will be caused by logos, video games, computer pictures and teletext. Black bars on screen (for example 4:3 format) is not a malfunction of the TV set and is not covered by warranty.

The Packing material should be kept away from children for security reasons.
Plastic foil or bag can asphyxiate children.

REAR OF THE TV SET - CONNECTORS

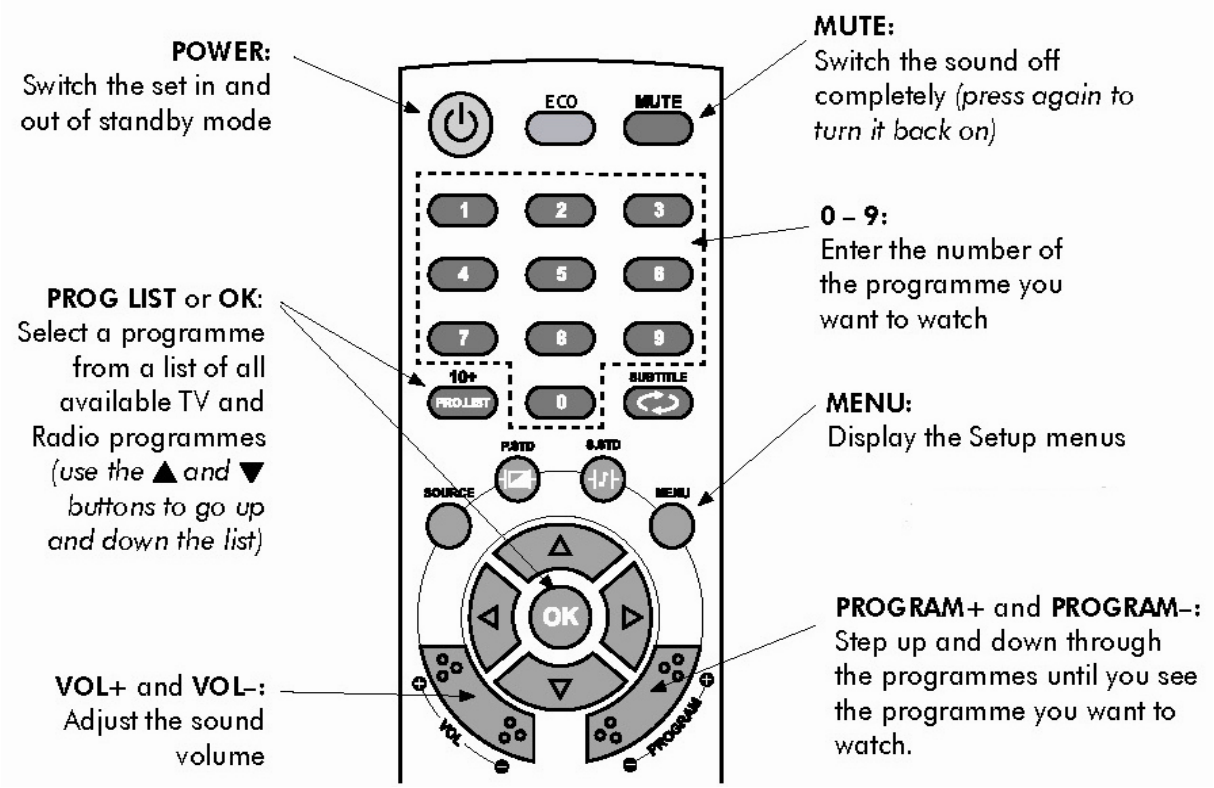


1. HDMI
2. VGA IN
3. SCART IN
4. S-VIDEO IN
5. Y IN
6. PB IN
7. PR IN
8. AV IN
9. AV AUDIO IN (L)
10. AV AUDIO IN (R)
11. PC AUDIO IN
12. HEADPHONES
13. TV SIGNAL IN (ANTENNA)

Precautions when connecting to other equipment

- When using external equipment with this TV set, please read the instruction manual of the external equipment.
- Switch off all power supplies to the equipment and TV set before connection. Always ensure that the input and output terminals are correctly connected.

REMOTE CONTROLLER – Basic Functions


POWER:
Switch the set in and out of standby mode
MUTE:
Switch the sound off completely (press again to turn it back on)
0 – 9:
Enter the number of the programme you want to watch
PROG LIST or OK:
Select a programme from a list of all available TV and Radio programmes (use the ▲ and ▼ buttons to go up and down the list)
MENU:
Display the Setup menus
PROGRAM+ and PROGRAM–:
Step up and down through the programmes until you see the programme you want to watch.
VOL+ and VOL–:
Adjust the sound volume
ECO
MUTE
1 2 3
4 5 6
7 8 9
10+
PROG.LIST
0
SUBTITLE
P.STD
S.STD
SOURCE
MENU
OK
VOL
PROGRAM

To watch Analog TV:

- Press the **SOURCE** button.
- Use the ▲ and ▼ buttons to select **TV**.
- Press the **OK** button to confirm.

ECO:
Select power consumption of TV:
ECO MODE - 30W or
TURBO MODE - 50W.

PICTURE STANDARD:
Select from the following picture settings:
Standard, Dynamic Personal, Movie

SOUND STANDARD:
Select from the following sound settings:
Standard, Music Sports, Movie, Personal

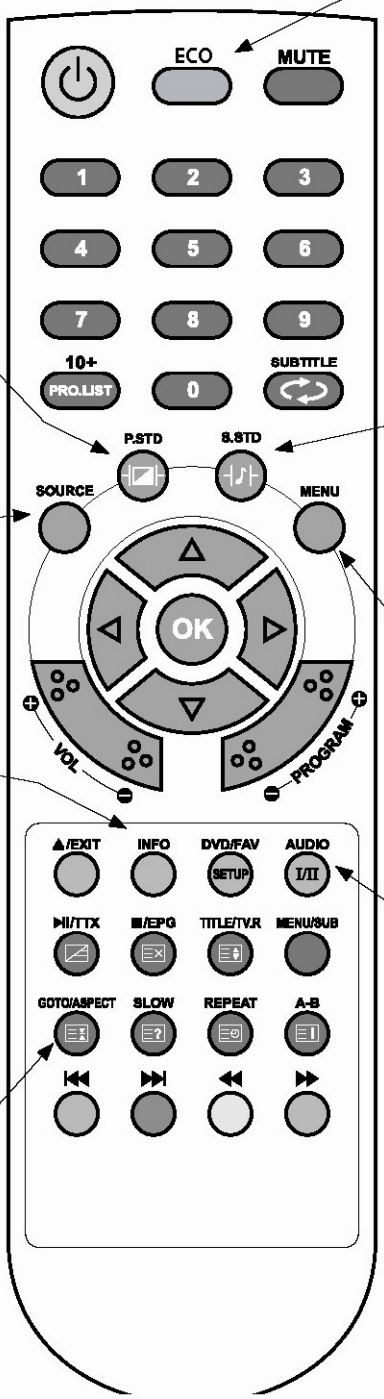
SOURCE:
Display the Input Source menu

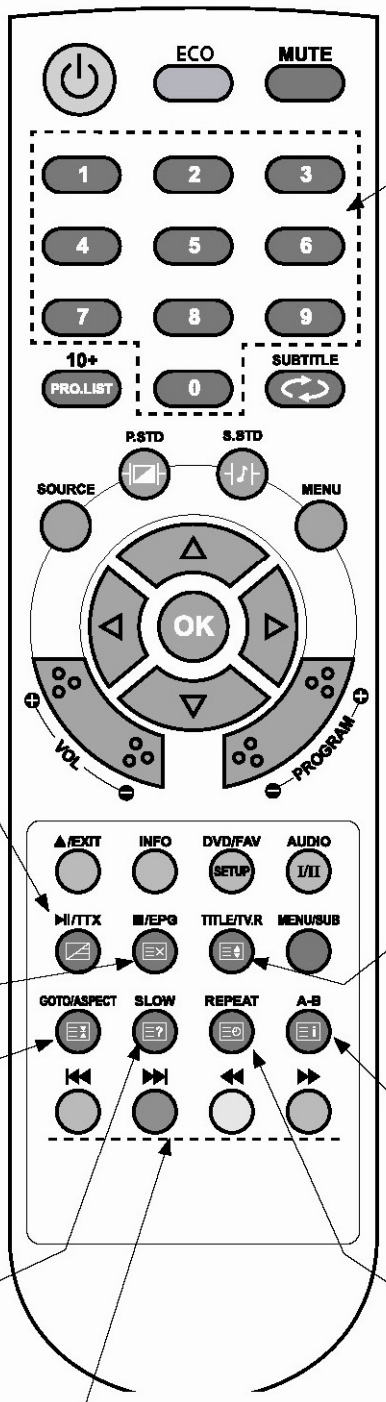
INFO:
Show information about the station you are watching

MENU:
Display the Setup menus

AUDIO:
Analog TV: Select from a list of audio modes *(NICAM transmissions only)*

ASPECT:
Select from the following aspect ratio settings:
Auto, Full, 4:3, Zoom1, Zoom2
(*This will affect the size and shape of the picture)*





To use Teletext:
(some analogue TV programmes only)

- Press **TTX** :
  to select from:

  Teletext
  Teletext and TV mixed
  Teletext off

HIDE :
Hide Teletext momentarily

HOLD :
Hold the present subpage *(press again to release)*

REVEAL :
Used in competitions, etc, to reveal any hidden text

COLOURED BUTTONS:
Shortcuts – follow the coloured links at the bottom of the page

0 – 9:
Enter the three-figure number of the page you want to see

(eg **888** for **SUBTITLES**)

SIZE :
Select from:

Large size, top half
Large size, bottom half
Normal size

INDEX :
Go straight to the Index page

SUBPAGE :
Select from any available subpages.

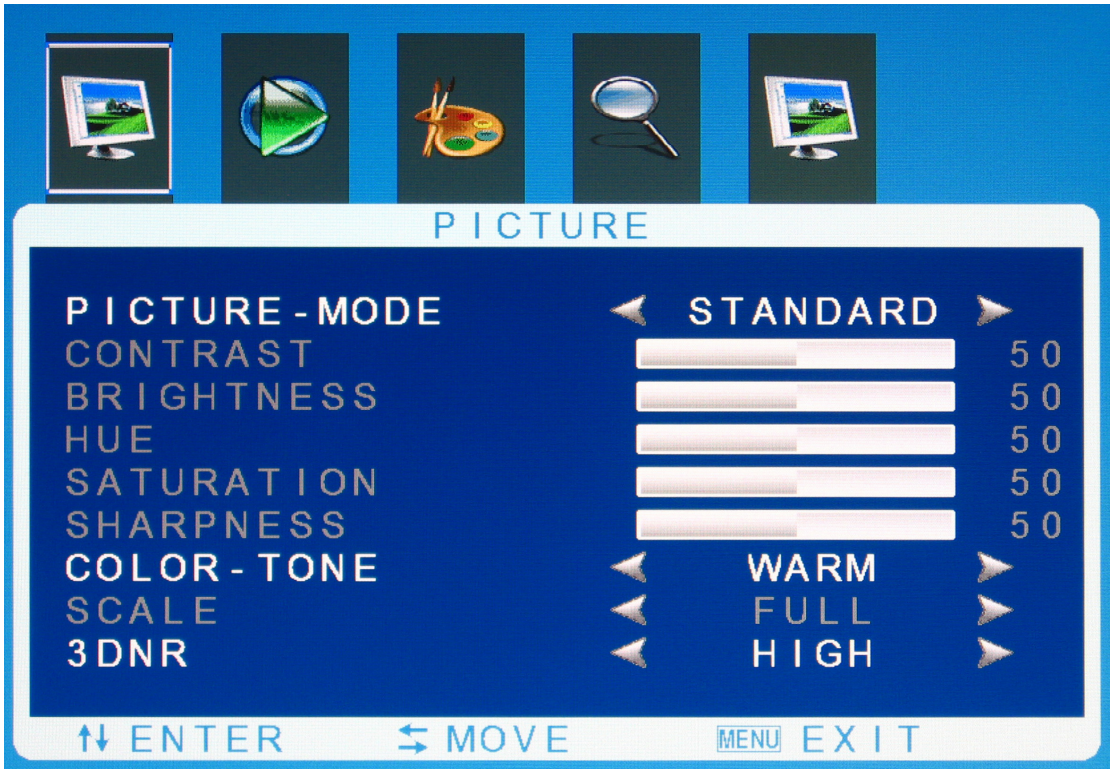
Press **then:**
green (+) *for* **next**
red (–) *for* **previous**

(Move the indicator at the bottom of the screen back to to resume auto scroll)

1. INPUT SOURCE MENU

Press the SOURCE button to view the menu that enables you to choose the correct source of signal. Choose one of the available options using the ▲ and ▼ buttons and then press OK, or ►.

2. PICTURE MENU



PICTURE MODE
Use ◄► buttons to choose Picture mode

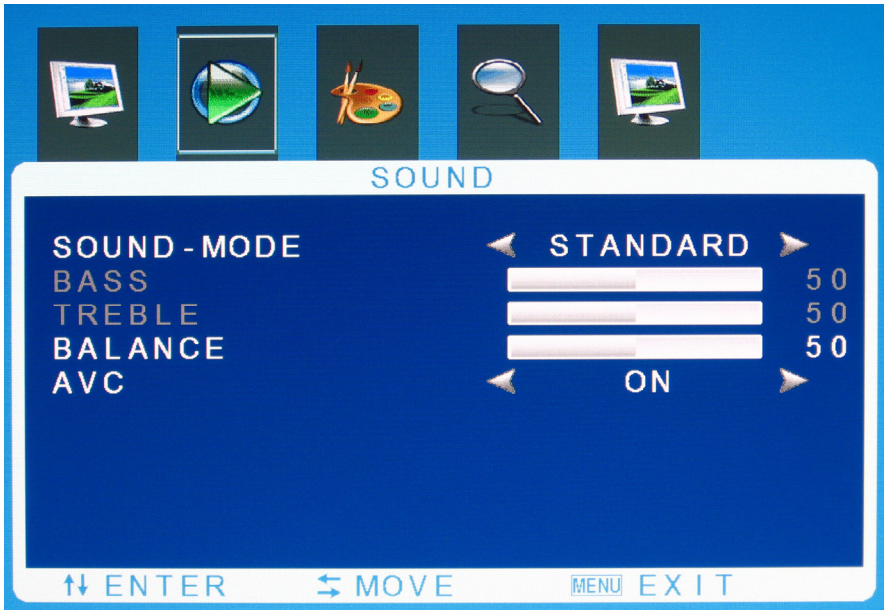
CONTRAST/SHARPNESS/BRIGHTNESS/HUE/SATURATION
Use ◄► buttons to adjust option (only available in User Mode)

COLOR-TONE
Use ◄► buttons to choose Color Tone

SCALE
Use ◄► buttons to set scale option

3DNR
Use ◄► buttons to set 3DNR function

3. SOUND MENU



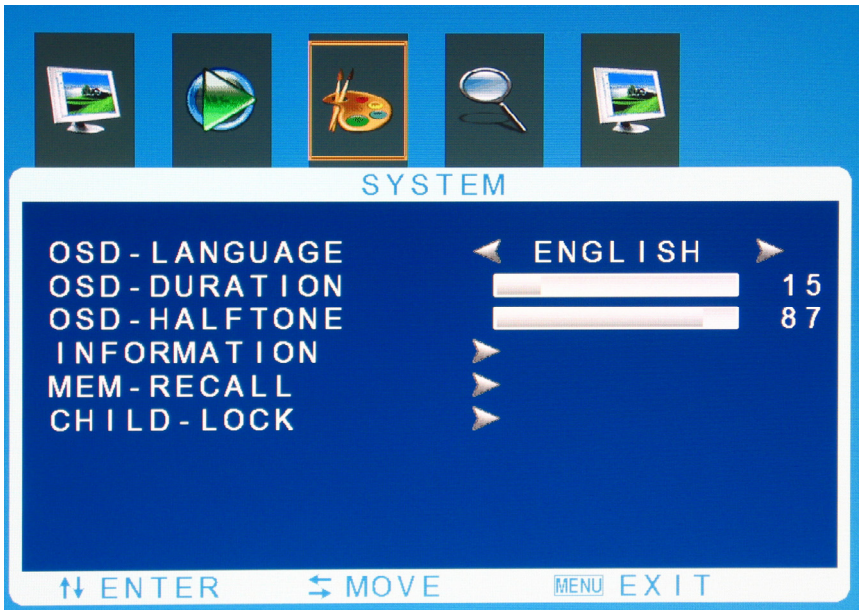
SOUND MODE
Use ◄► buttons to choose Sound mode

BASS/TREBLE
Use ◄► buttons to adjust option (only available in User Mode)

BALANCE
Use ◄► buttons to adjust sound balance (50 – center)

AVC
Use ◄► buttons to turn the option on and off

4. SYSTEM MENU



OSD LANGUAGE
Use ◄► buttons to choose OSD/MENU language

OSD DURATION
Use ◄► buttons to set OSD/MENU duration time

OSD HALFTONE
Use ◄► buttons to set OSD transparency level

INFORMATION
Use ◄► buttons to display system info

MEM-RECALL
Use ◄► buttons to recall factory settings

CHILD LOCK
Use ◄► buttons to enter Child Lock submenu

While entering CHILD LOCK menu you will be asked to type the password. Type it using digits buttons. Default password is 0 0 0 0. Change it to your personal one.

NEW PASSWORD
Use digits buttons to enter new password.
RECONFIRM
To set new password, type it once again.

CHILD LOCK
Use ◄► buttons to turn Child Lock on and off

5. ADVANCE MENU

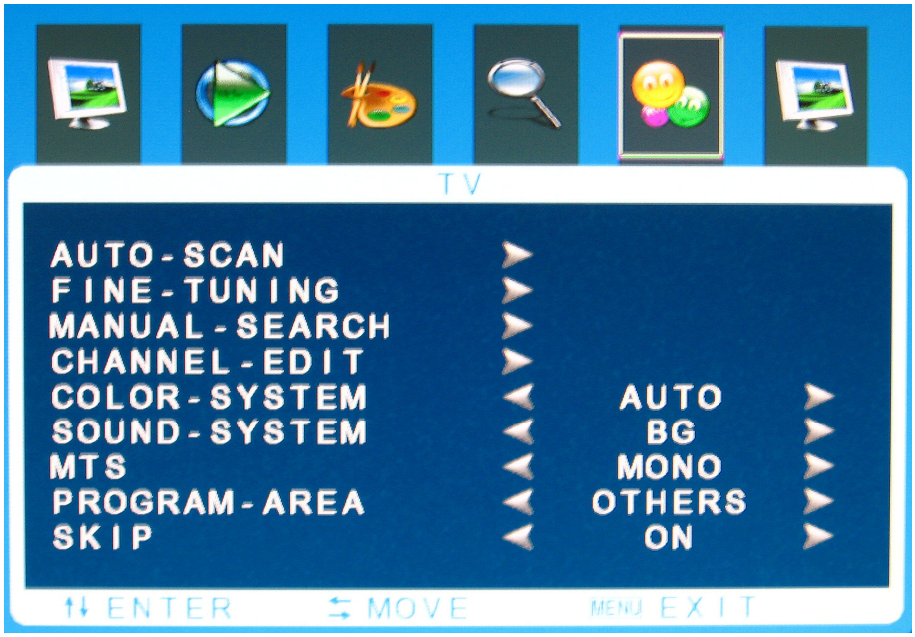
SLEEP-TIME
Use ◄► buttons to set TV-OFF time

TTX Language
Use ◄► buttons to set default teletext language

AUTO-FORMAT
Use ◄► buttons to turn the option on and off

9-WIN
Use ◄► buttons to turn the option on and off

6. TV MENU (Available only in TV-Mode)



AUTO SCAN
Use ◄► buttons to start auto scan for TV channels

FINE TUNING
Use ◄► buttons to start fine tuning (Use ◄► buttons to tune)

MANUAL SEARCH
Use ◄► buttons to start manual search for TV channels (Use ◄► buttons to search)

CHANNEL EDIT
Use ◄► buttons to enter Channel Edit Submenu

- Use Red button to rename Channel. Use ◄► buttons to change letter slot and ▲▼ to choose letter. Press Red button to confirm or Green to cancel.
- Use Green button to delete channel. Press Red button to confirm or Green to cancel.
- Use Blue button to move channel. Use ▲▼ buttons to choose correct place. Press Red button to confirm or Green to cancel.

COLOR SYSTEM
Use ◄► buttons to choose color system

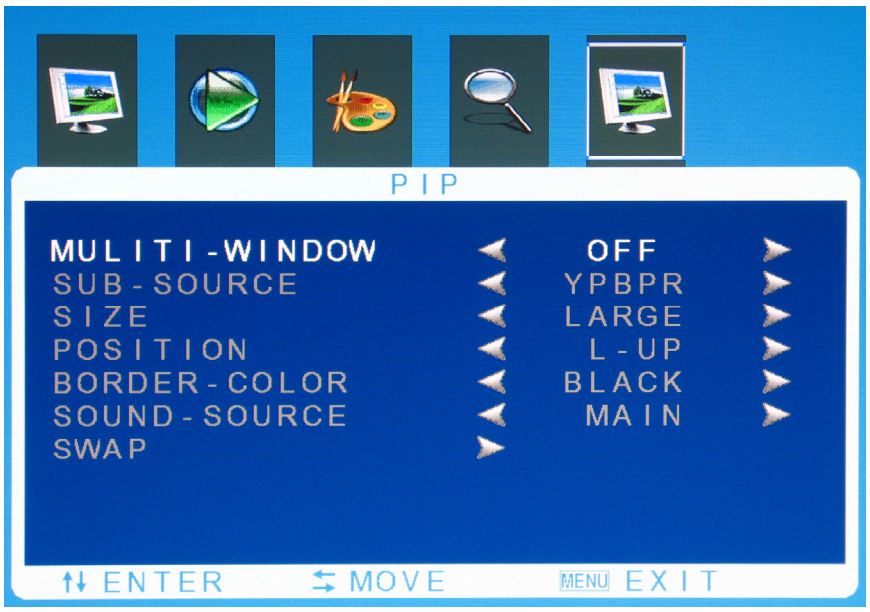
COLOR SYSTEM
Use ◄► buttons to choose sound system

MTS
Use ◄► buttons to adjust option

PROGRAM AREA
Use ◄► buttons to choose the area of TV use.

SKIP
Use ◄► buttons to turn the option on and off

7. PIP MENU (Picture in Picture)



MULTI-WINDOW
Use ◄► buttons to set PIP Mode

SUB-SOURCE
Use ◄► buttons to choose signal subsource

SIZE
Use ◄► buttons to choose the size of subpicture.

POSITION
Use ◄► buttons to choose position of subpicture.

BORDER COLOR
Use ◄► buttons to choose color of the subpicture border.

SOUND SOURCE
Use ◄► buttons to choose sound source (subpicture/main).

SWAP
Use ◄► buttons to swap pictures.

8. GEOMETRY MENU (Available only in PC-Mode)

H-POSITION/V-POSITION
Use ◄► buttons to adjust screen position

CLOCK
Use ◄► buttons to adjust frequency

PHASE
Use ◄► buttons to adjust phase

AUTO SIZE
Use ◄► buttons to set auto size of the screen

AUTO COLOR
Use ◄► buttons to set auto color of the screen

Screen diagonal	24” / 59,94 cm
Screen resolution	1920x1080 (FullHD)
Aspect Ratio	16:9
Power Supply	AC 100V-240V 50/60Hz
Power Consumption	ECO: 30W TURBO: 50W
System	PAL – B/G, D/K, I, SECAM – B/G, D/ K, L, L’ ; NTSC, NTSC 4.43
Frequency	47 - 870MHz
Channel Memory Storage	120
Colors	16.7M
Contrast	20000:1
Brightness	450 cd/m^2
Response Time	4ms
Aerial Input	75 ohm coaxial
Audio Output	2x10W Stereo
Dimensions	giftbox: 650x235x497 mm TV with foot: 583x201x437 mm
Weight	7,1kg / 5,4kg

Specifications are subject to change without notice.
Mass and dimensions are approximate.